

In the Claims

Claims 1-20 were previously withdrawn.

21. (Currently Amended) A method for fabricating an fiber reinforced plastic part, comprising the steps of:

programming a readable definition of a part into a machine,

wherein the machine moves an extrusion head mounted to the machine in a controlled pattern; and

wherein the machine regulates the speed of extrusion from the extrusion head;

feeding the a fiber reinforcement to the extrusion head of the machine;

impregnating the fiber reinforcement with a radiation-initiated resin;

extruding the impregnated fiber reinforcement from an orifice in the extrusion head; and

exposing the extruded fiber reinforcement to curing radiation which hardens the extruded impregnated fiber reinforcement as the impregnated fiber reinforcement is extruded.

22. (Original) The method according to Claim 21, wherein the step of extruding the fiber reinforcement comprises extruding the impregnated fiber reinforcement at a speed consistent to the speed of travel of the extrusion head.

23. (Original) The method according to Claim 21, wherein the step of extruding the fiber reinforcement further comprises moving the extrusion head with the machine along a path that defines the surface of the part.

24. (Original) The method according to Claim 21, wherein the step of extruding the fiber reinforcement further comprises extruding a plurality of points of attachment to a base or support structure at intervals during the extrusion.

25. (Original) The method according to Claim 21, wherein the step of exposing the extruded fiber reinforcement to curing radiation further comprises coordinating the rate of cure with the rate of travel of the extrusion head and the rate of extrusion of the fiber reinforcement, thereby maintaining the fiber reinforcement in position at the point of extrusion.

26. (Original) The method according to Claim 21, wherein the step of extruding the fiber reinforcement further comprises the step of rotating the extrusion head, which is mounted to an arm of the machine, and free-forming the shape of extruding fiber reinforcement onto a take-away belt.

27. (Currently Amended) The method according to Claim 21, further comprising the steps of:

spraying the laminated part extruded impregnated fiber reinforcement with surfacing materials; and
cutting or abrading the sprayed part back to the final dimensions of the original definition of the part.